

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/062,257A
Source: IFWO
Date Processed by STIC: 2/17/06

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IFWO

RAW SEQUENCE LISTING

DATE: 02/17/2006

PATENT APPLICATION: US/10/062,257A

TIME: 19:05:09

Input Set : N:\CrF4\02152006\J262257A.raw

Output Set: N:\CRF4\02172006\J062257A.raw

1 <110> APPLICANT: ITOH, Kyogo
 2 <120> TITLE OF INVENTION: Tumor antigen
 3 <130> FILE REFERENCE: 3190-014
 C--> 4 <140> **CURRENT APPLICATION NUMBER: US/10/062,257A**
 5 <141> CURRENT FILING DATE: 2002-02-01
 6 <150> PRIOR APPLICATION NUMBER: PCT/JP00/05220
 7 <151> PRIOR FILING DATE: 2000-08-03
 8 <150> PRIOR APPLICATION NUMBER: JP HEI11-222101
 9 <151> PRIOR FILING DATE: 1999-08-05
 10 <160> NUMBER OF SEQ ID NOS: 45
 11 <170> SOFTWARE: PatentIn Ver. 2.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 9
 15 <212> TYPE: PRT
 16 <213> ORGANISM: Homo sapiens
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 19 1 5
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 37 <210> SEQ ID NO: 4
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 43 1 5
 45 <210> SEQ ID NO: 5
 46 <211> LENGTH: 9
 47 <212> TYPE: PRT
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59         1             5
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62 <211> LENGTH: 9
63 <212> TYPE: PRT
64 <213> ORGANISM: Homo sapiens
65 <400> SEQUENCE: 7
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67         1             5
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70 <211> LENGTH: 9
71 <212> TYPE: PRT
72 <213> ORGANISM: Homo sapiens
73 <400> SEQUENCE: 8
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75         1             5
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78 <211> LENGTH: 9
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 9
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86 <211> LENGTH: 13
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence:Designed
91     peptide base on amino acid sequence of Src family
92     tyrosine kinases, which peptide has an ability to
93     generate HLA-A24 restricted cytotoxic T lymphocytes
94 <220> FEATURE:
95 <221> NAME/KEY: UNSURE
96 <222> LOCATION: (3)
97 <223> OTHER INFORMATION: Xaa can be Asp or Glu.
98 <220> FEATURE:
99 <221> NAME/KEY: UNSURE
100 <222> LOCATION: (4)
101 <223> OTHER INFORMATION: Xaa can be Tyr or Phe.
102 <220> FEATURE:

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105 <223> OTHER INFORMATION: Xaa can be Leu or Ile.
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108 <222> LOCATION: (6)
109 <223> OTHER INFORMATION: Xaa can be Arg or Gln.
110 <220> FEATURE:
111 <221> NAME/KEY: UNSURE
112 <222> LOCATION: (7)
113 <223> OTHER INFORMATION: Xaa can be Ser or Ala.
114 <220> FEATURE:
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116 <222> LOCATION: (8)
117 <223> OTHER INFORMATION: Xaa can be Val or Phe.
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121 <223> OTHER INFORMATION: Xaa can be Glu or Asp.
122 <220> FEATURE:
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124 <222> LOCATION: (12)
125 <223> OTHER INFORMATION: Xaa can be Phe or Tyr.
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127 <221> NAME/KEY: UNSURE
128 <222> LOCATION: (13)
129 <223> OTHER INFORMATION: Xaa can be Phe or Tyr.
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151 <211> LENGTH: 10
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
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Input Set : N:\Cr4\02152006\J262257A.raw

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167 <211> LENGTH: 9
168 <212> TYPE: PRT
169 <213> ORGANISM: Homo sapiens
170 <400> SEQUENCE: 15
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175 <211> LENGTH: 9
176 <212> TYPE: PRT
177 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 16
179      Asp Val Trp Ser Phe Gly Ile Leu Leu
180      1                      5
182 <210> SEQ ID NO: 17
183 <211> LENGTH: 9
184 <212> TYPE: PRT
185 <213> ORGANISM: Homo sapiens
186 <400> SEQUENCE: 17
187      Ser Val Leu Glu Asp Phe Phe Thr Ala
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192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
194 <400> SEQUENCE: 18
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199 <211> LENGTH: 10
200 <212> TYPE: PRT
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208 <212> TYPE: PRT
209 <213> ORGANISM: Homo sapiens
210 <400> SEQUENCE: 20

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211      Ser Tyr Glu Pro Ser His Asp Gly Asp Leu
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215 <211> LENGTH: 9
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218 <400> SEQUENCE: 21
219      Asn Phe Val Ala Lys Ala Asn Ser Leu
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223 <211> LENGTH: 9
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
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227      Ser Phe Ser Leu Ser Val Arg Asp Phe
228          1              5
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231 <211> LENGTH: 9
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
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235      Phe Tyr Ile Ser Pro Arg Ile Thr Phe
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240 <212> TYPE: PRT
241 <213> ORGANISM: Homo sapiens
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243      Leu Tyr Ala Val Val Thr Gln Glu Pro Ile
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247 <211> LENGTH: 9
248 <212> TYPE: PRT
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255 <211> LENGTH: 9
256 <212> TYPE: PRT
257 <213> ORGANISM: Homo sapiens
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259      Ala Phe Ile Glu Glu Arg Asn Tyr Ile
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263 <211> LENGTH: 10
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 27

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; Xaa Pos. ~~3,4,5,6,7,8,10,12,13~~

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L:4 M:270 C: Current Application Number differs, Replaced Current Application Number

L:131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0